

ANALYTICAL REPORT

Job Number: 720-25093-1

Job Description: Aspire

For:

ARCADIS U.S., Inc Formerly LFR, Inc.
1900 Powell St 12th Floor
Emeryville, CA 94608-1827
Attention: Mr. Ron Goloubow



Approved for release.
Afsaneh Salimpour
Project Manager I
1/11/2010 1:50 PM

Afsaneh Salimpour
Project Manager I
afsaneh.salimpour@testamericainc.com
01/11/2010

cc: Mr. Lucas Goldstein

CA ELAP Certification # 2496

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A trip blank is required to be provided for volatile analyses. If trip blank results are not included in the report, either the trip blank was not submitted or requested to be analyzed.

TestAmerica Laboratories, Inc.

TestAmerica San Francisco 1220 Quarry Lane, Pleasanton, CA 94566

Tel (925) 484-1919 Fax (925) 600-3002 www.testamericainc.com

Comments

No additional comments.

Receipt

All samples were received in good condition within temperature requirements.

GC/MS VOA

No analytical or quality issues were noted.

GC VOA

No analytical or quality issues were noted.

GC Semi VOA

No analytical or quality issues were noted.

Organic Prep

No analytical or quality issues were noted.

EXECUTIVE SUMMARY - Detections

Client: ARCADIS U.S., Inc Formerly LFR, Inc.

Job Number: 720-25093-1

Lab Sample ID Analyte	Client Sample ID	Result / Qualifier	Reporting Limit	Units	Method
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No Detections

METHOD SUMMARY

Client: ARCADIS U.S., Inc Formerly LFR, Inc.

Job Number: 720-25093-1

Description	Lab Location	Method	Preparation Method
Matrix: Solid			
8260B / CA LUFT MS	TAL SF	SW846 8260B/CA_LUFTMS	
Purge and Trap	TAL SF		SW846 5030B
Diesel Range Organics (DRO) (GC)	TAL SF	SW846 8015B	
Ultrasonic Extraction	TAL SF		SW846 3550B

Lab References:

TAL SF = TestAmerica San Francisco

Method References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

METHOD / ANALYST SUMMARY

Client: ARCADIS U.S., Inc Formerly LFR, Inc.

Job Number: 720-25093-1

Method	Analyst	Analyst ID
SW846 8260B/CA_LUFTMS	Ali, Badri	BA
SW846 8015B	Hayashi, Derek	DH

SAMPLE SUMMARY

Client: ARCADIS U.S., Inc Formerly LFR, Inc.

Job Number: 720-25093-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
720-25093-1	EXC4-SOUTH2-SDWALL5 R	Solid	01/06/2010 0820	01/07/2010 1247
720-25093-2	EXC4-25' NORTH 7-SDWALLR	Solid	01/06/2010 0825	01/07/2010 1247

Analytical Data

Client: ARCADIS U.S., Inc Formerly LFR, Inc.

Job Number: 720-25093-1

Client Sample ID: EXC4-SOUTH2-SDWALL5R

Lab Sample ID: 720-25093-1

Date Sampled: 01/06/2010 0820

Client Matrix: Solid

Date Received: 01/07/2010 1247

8260B/CA_LUFTMS 8260B / CA LUFT MS

Method:	8260B/CA_LUFTMS	Analysis Batch: 720-63994	Instrument ID:	SAT 3900A
Preparation:	5030B	Prep Batch: 720-64025	Lab File ID:	SA-SO-25093-A-1
Dilution:	1.0		Initial Weight/Volume:	5.03 g
Date Analyzed:	01/07/2010 2122		Final Weight/Volume:	10 mL
Date Prepared:	01/07/2010 2000			

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	RL
Gasoline Range Organics (GRO)-C5-C12		ND		250

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	94		52 - 140
1,2-Dichloroethane-d4 (Surr)	102		60 - 140
Toluene-d8 (Surr)	96		58 - 140

Analytical Data

Client: ARCADIS U.S., Inc Formerly LFR, Inc.

Job Number: 720-25093-1

Client Sample ID: EXC4-25' NORTH 7-SDWALLR

Lab Sample ID: 720-25093-2

Date Sampled: 01/06/2010 0825

Client Matrix: Solid

Date Received: 01/07/2010 1247

8015B Diesel Range Organics (DRO) (GC)

Method:	8015B	Analysis Batch: 720-63937	Instrument ID:	CHDRO5
Preparation:	3550B	Prep Batch: 720-63942	Initial Weight/Volume:	30.06 g
Dilution:	1.0		Final Weight/Volume:	5 mL
Date Analyzed:	01/07/2010 1641		Injection Volume:	1 uL
Date Prepared:	01/07/2010 1313		Result Type:	PRIMARY

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Motor Oil Range Organics [C24-C36]		ND		50

Surrogate	%Rec	Qualifier	Acceptance Limits
p-Terphenyl	80		31 - 114

DATA REPORTING QUALIFIERS

Lab Section	Qualifier	Description
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Quality Control Results

Client: ARCADIS U.S., Inc Formerly LFR, Inc.

Job Number: 720-25093-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS VOA					
Analysis Batch:720-63994					
LCS 720-64025/4-A	Lab Control Sample	T	Solid	8260B/CA_LUFT	720-64025
LCSD 720-64025/5-A	Lab Control Sample Duplicate	T	Solid	8260B/CA_LUFT	720-64025
MB 720-64025/1-A	Method Blank	T	Solid	8260B/CA_LUFT	720-64025
720-25093-1	EXC4-SOUTH2-SDWALL5R	T	Solid	8260B/CA_LUFT	720-64025

Prep Batch: 720-64025

LCS 720-64025/4-A	Lab Control Sample	T	Solid	5030B	
LCSD 720-64025/5-A	Lab Control Sample Duplicate	T	Solid	5030B	
MB 720-64025/1-A	Method Blank	T	Solid	5030B	
720-25093-1	EXC4-SOUTH2-SDWALL5R	T	Solid	5030B	

Report Basis

T = Total

GC Semi VOA

Analysis Batch:720-63936

LCS 720-63942/2-A	Lab Control Sample	T	Solid	8015B	720-63942
LCSD 720-63942/3-A	Lab Control Sample Duplicate	T	Solid	8015B	720-63942
MB 720-63942/1-A	Method Blank	T	Solid	8015B	720-63942

Analysis Batch:720-63937

720-25093-2	EXC4-25' NORTH 7-SDWALLR	T	Solid	8015B	720-63942
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Prep Batch: 720-63942

LCS 720-63942/2-A	Lab Control Sample	T	Solid	3550B	
LCSD 720-63942/3-A	Lab Control Sample Duplicate	T	Solid	3550B	
MB 720-63942/1-A	Method Blank	T	Solid	3550B	
720-25093-2	EXC4-25' NORTH 7-SDWALLR	T	Solid	3550B	

Report Basis

T = Total

Quality Control Results

Client: ARCADIS U.S., Inc Formerly LFR, Inc.

Job Number: 720-25093-1

Method Blank - Batch: 720-64025

Method: 8260B/CA_LUFTMS
Preparation: 5030B

Lab Sample ID: MB 720-64025/1-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 01/07/2010 1825
Date Prepared: 01/07/2010 1300

Analysis Batch: 720-63994
Prep Batch: 720-64025
Units: ug/Kg

Instrument ID: Varian 3900A
Lab File ID: MB 1-7-2010 6;25;09 PM.d
Initial Weight/Volume: 5 g
Final Weight/Volume: 10 mL

Analyte	Result	Qual	RL
Gasoline Range Organics (GRO)-C5-C12	ND		250
Surrogate	% Rec	Acceptance Limits	
4-Bromofluorobenzene	100	52 - 140	
1,2-Dichloroethane-d4 (Surr)	101	60 - 140	
Toluene-d8 (Surr)	100	58 - 140	

Lab Control Sample/

Lab Control Sample Duplicate Recovery Report - Batch: 720-64025

Method: 8260B/CA_LUFTMS
Preparation: 5030B

LCS Lab Sample ID: LCS 720-64025/4-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 01/07/2010 1941
Date Prepared: 01/07/2010 1300

Analysis Batch: 720-63994
Prep Batch: 720-64025
Units: ug/Kg

Instrument ID: Varian 3900A
Lab File ID: LCSG 1-7-2010 7;41;31 PM.d
Initial Weight/Volume: 5 g
Final Weight/Volume: 10 mL

LCSD Lab Sample ID: LCSD 720-64025/5-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 01/07/2010 2006
Date Prepared: 01/07/2010 1300

Analysis Batch: 720-63994
Prep Batch: 720-64025
Units: ug/Kg

Instrument ID: Varian 3900A
Lab File ID: LCSDG 1-7-2010 8;06;45 PM.d
Initial Weight/Volume: 5 g
Final Weight/Volume: 10 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
Gasoline Range Organics (GRO)-C5-C12	82	81	68 - 115	1	20		
Surrogate	LCS % Rec		LCSD % Rec		Acceptance Limits		
4-Bromofluorobenzene	102		107		52 - 140		
1,2-Dichloroethane-d4 (Surr)	101		108		60 - 140		
Toluene-d8 (Surr)	106		104		58 - 140		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: ARCADIS U.S., Inc Formerly LFR, Inc.

Job Number: 720-25093-1

Method Blank - Batch: 720-63942

Method: 8015B
Preparation: 3550B

Lab Sample ID: MB 720-63942/1-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 01/07/2010 2025
Date Prepared: 01/07/2010 0841

Analysis Batch: 720-63936
Prep Batch: 720-63942
Units: mg/Kg

Instrument ID: HP DRO5
Lab File ID: 5a0107019.d
Initial Weight/Volume: 30.27 g
Final Weight/Volume: 5 mL
Injection Volume: 1 uL
Column ID: PRIMARY

Analyte	Result	Qual	RL
Diesel Range Organics [C10-C28]	ND		0.99
Motor Oil Range Organics [C24-C36]	ND		50

Surrogate	% Rec	Acceptance Limits
p-Terphenyl	87	31 - 114

Lab Control Sample/ Lab Control Sample Duplicate Recovery Report - Batch: 720-63942

Method: 8015B
Preparation: 3550B

LCS Lab Sample ID: LCS 720-63942/2-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 01/07/2010 1936
Date Prepared: 01/07/2010 0841

Analysis Batch: 720-63936
Prep Batch: 720-63942
Units: mg/Kg

Instrument ID: HP DRO5
Lab File ID: 5a0107017.d
Initial Weight/Volume: 30.31 g
Final Weight/Volume: 5 mL
Injection Volume: 1 uL
Column ID: PRIMARY

LCSD Lab Sample ID: LCSD 720-63942/3-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 01/07/2010 2000
Date Prepared: 01/07/2010 0841

Analysis Batch: 720-63936
Prep Batch: 720-63942
Units: mg/Kg

Instrument ID: HP DRO5
Lab File ID: 5a0107018.d
Initial Weight/Volume: 30.09 g
Final Weight/Volume: 5 mL
Injection Volume: 1 uL
Column ID: PRIMARY

Analyte	% Rec.		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
Diesel Range Organics [C10-C28]	85	84	49 - 115	0	35		
Surrogate	LCS % Rec		LCSD % Rec		Acceptance Limits		
p-Terphenyl	88		88		31 - 114		

Calculations are performed before rounding to avoid round-off errors in calculated results.

720-25093

CHAIN OF CUSTODY / ANALYSES REQUEST FORM

121523

SAMPLE COLLECTOR: 1900 Powell Street, 12th Floor Emeryville, California 94608 (510) 652-4500 Fax: (510) 652-2246	PROJECT NO.: 003-09155-09	SECTION NO.: p0001	DATE: 01/07/10	SAMPLER'S INITIALS: AAV	SERIAL N° 5385
PROJECT NAME: Aspire Oakland			SAMPLER (Signature): 		

SAMPLE					ANALYSES										REMARKS	
SAMPLE ID.	DATE	TIME	Lab Sample No.	No. of Containers		TYPE	ANALYSES							TAT	*VOCs: <input type="checkbox"/> 8260 List <input type="checkbox"/> 8240 List <input type="checkbox"/> 8010 List <input type="checkbox"/> 624 List	**Metals: <input type="checkbox"/> CAM17 <input type="checkbox"/> RCRA <input type="checkbox"/> LUFT
				Soil	Water		TPHd (EPA 8015M)	TPHmo (EPA 8015M)	TPHg (EPA 8015M)	BTEX (EPA 8021/602)	VOCs (EPA 8260/624)	Metals (EPA 6010/7000)	Standard			
EXC4-SOUTH 2'-SDWALL SR 06 0820																
EXC4-25' NORTH 7'-SDWALL R 06 0825																
RUSH																

SAMPLE RECEIPT: <input type="checkbox"/> Intact <input type="checkbox"/> Cold <input type="checkbox"/> On Ice <input type="checkbox"/> Ambient Preservative Correct? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	Cooler Temp: 2.6°C Cooler No.:	METHOD OF SHIPMENT: LAB REPORT NO.: FAX COC CONFIRMATION TO:	RELINQUISHED BY: (SIGNATURE) (DATE) 01/07/10 (PRINTED NAME) Andre Valdivia (TIME) 11:51 (COMPANY) ARCADIS	RELINQUISHED BY: (SIGNATURE) (DATE) 12/47 (PRINTED NAME) Foltcher (TIME) 1/7/10 (COMPANY) THSF	RELINQUISHED BY: (SIGNATURE) (DATE) 01-07-10 (PRINTED NAME) Mulben (TIME) 1247 (COMPANY) to Amine
ANALYTICAL LABORATORY:		FAX RESULTS TO: SEND HARDCOPY TO: SEND EDD TO: EMV.LABEDDS.COM	RECEIVED BY: (SIGNATURE) (DATE) 1/7/10 (PRINTED NAME) Foltcher (TIME) 11:51 (COMPANY) THSF	RECEIVED BY: (SIGNATURE) (DATE) 01-07-10 (PRINTED NAME) Mulben (TIME) 1247 (COMPANY) to Amine	RECEIVED BY (LABORATORY): (SIGNATURE) (DATE) 01-07-10 (PRINTED NAME) Mulben (TIME) 1247 (COMPANY) to Amine

Shipping Copy (White)

File Copy (Yellow)

Field Copy (Pink)

Login Sample Receipt Check List

Client: ARCADIS U.S., Inc Formerly LFR, Inc.

Job Number: 720-25093-1

Login Number: 25093

List Source: TestAmerica San Francisco

Creator: Mullen, Joan

List Number: 1

Question	T / F / NA	Comment
Radioactivity either was not measured or, if measured, is at or below background	N/A	
The cooler's custody seal, if present, is intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Is the Field Sampler's name present on COC?	True	
Sample Preservation Verified	True	